



# UNITED STATES PATENT AND TRADEMARK OFFICE

*Col*

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/721,084	11/26/2003	Koji Iwasawa	03327.2315	7790
22852	7590	06/09/2005		EXAMINER
				LAU, TUNG S
			ART UNIT	PAPER NUMBER
				2863

DATE MAILED: 06/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/721,084	IWASAWA, KOJI
	<b>Examiner</b>	<b>Art Unit</b>
	Tung S. Lau	2863

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1)  Responsive to communication(s) filed on 26 November 2003.

2a)  This action is **FINAL**.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## **Disposition of Claims**

- 4)  Claim(s) 1-20 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
5)  Claim(s) \_\_\_\_\_ is/are allowed.  
6)  Claim(s) 1-20 is/are rejected.  
7)  Claim(s) \_\_\_\_\_ is/are objected to.  
8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All   b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date *See office action*.  
4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_\_

## DETAILED ACTION

### Information Disclosure Statement

1. Information Disclosure Statement filed on 5-18-2004 and 3-15-2004 are acknowledged by the examiner; A copy of a signed PTO-1449 attached with this office action.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

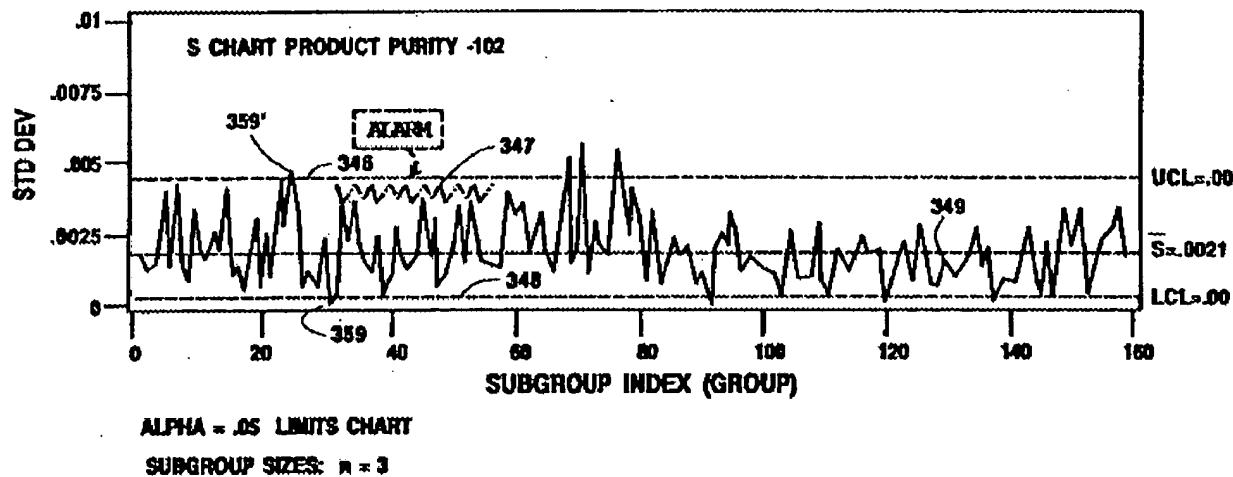
Claim 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 18, 19, 20, 11, 12, 13, 14, 15, 16 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Hanson (U.S. Patent 5,257,206).

Regarding claim 1:

Hanson discloses an alarm management method comprising: providing one or more type of weight coefficients for each alarm generated by an apparatus to be managed (Col. 2, Lines 5-43, fig. 1, unit 335, 310); multiplying the weight coefficient types to obtain the total weight coefficient for each alarm (Col. 11, Lines 4-30); multiplying by the total weight coefficient, a '1' which represents a case count for one generation of each alarm, and obtaining a weighted case count for each alarm (Col. 10-11, Lines 48-30, Col. 12, Lines 18-67); adding the weighted case counts for individual alarms to prepare statistics for the weighted

number of alarm generation cases (Col. 5-6, Lines 56-33, Col. 10-11, Lines 48-30).

**F i g. 6**

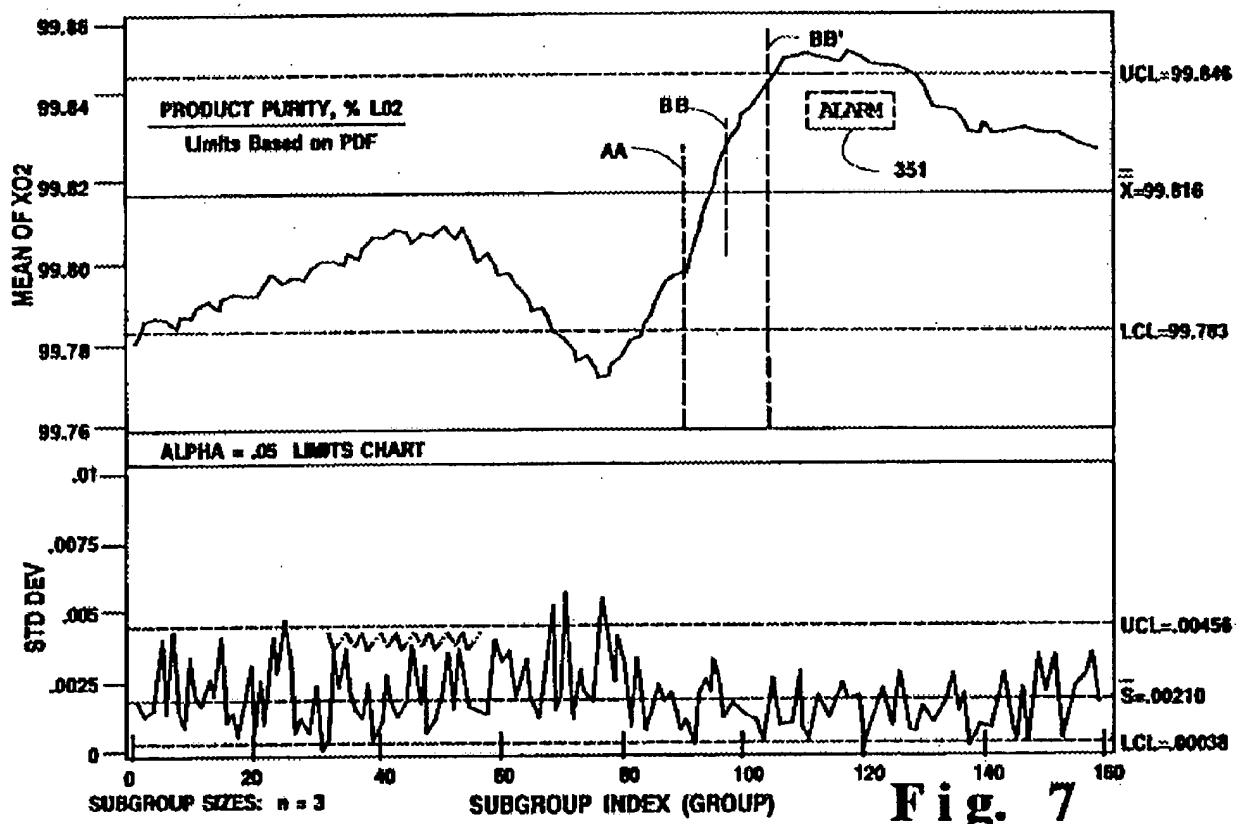


Regarding claim 6:

Hanson discloses an alarm management method comprising: correlating each alarm generated by an apparatus to be managed and apparatus data representing the status of the apparatus by employing a date and time wherein the alarm was generated as a key (Col. 5-6, Lines 56-34); preparing a trend graph for predetermined apparatus data included in the apparatus data obtained from the apparatus to be managed (fig. 4,5, 6, 7, 8, 9); and displaying on the trend graph a date and time whereat a predesignated alarm was generated based on the correlation (fig. 6, 7).

Regarding claim 7:

Hanson discloses an alarm management method comprising: preparing statistics only for alarms that were generated by an apparatus to be managed when predetermined apparatus data included in the apparatus data that are obtained from the apparatus data that represent the status of the apparatus, have a predesignated value or are within a predesignated range (fig. 6, 7).



Regarding claim 11:

Hanson discloses an alarm management apparatus comprising: a data collection device for collecting alarm data for alarms generated by an apparatus to be managed (abstract); a database device for storing the alarm data collected by the data collection device (fig. 6, 7); and an alarm statistic device for preparing

alarm statistics using the alarm data stored by the database device (fig. 6, 7), the alarm statistic device including, a weight coefficient provision unit for providing one or more types of weight coefficient for each alarm (Col. 10-11, Lines 48-25, Col. 12, Lines 3-65), a total weight coefficient calculation unit for multiplying the weight coefficients for each alarm to obtain a total weight coefficient, a weighted case count calculation unit for multiplying by the total weight coefficient (Col. 10-11, Lines 48-25, Col. 12, Lines 3-65), a '1' that represents a case count for one generation of each alarm, and for obtaining a weighted case count for each alarm, and a statistics preparation unit for adding weighted case counts for individual alarms to obtain statistics for the weighted number of alarm generation cases (Col. 10-11, Lines 48-25, Col. 12, Lines 3-65, fig. 6, 7)).

Regarding claim 16:

Hanson discloses an alarm management apparatus comprising: a data collection device for collecting alarm data for alarms generated by are apparatus to be managed (abstract); a database device for storing the alarm data collected by the data collection device (Col. 2, Lines 5-50) ; and an alarm statistic device for preparing alarm statistics using the alarm data stared by the database device (fig. 6, 7), the alarm statistic device including, a linking unit for employing , as a key (Col. 5-6, Lines 56-34), a date and a time whereat an alarm was generated and for correlating each al arm generated by the apparatus with apparatus data representing the status of the apparatus (Col. 1-2, Lines 65-2, fig. 6, 7) ; a trend graph preparation unit for preparing a trend graph for predetermined apparatus

data included in the apparatus data (fig. 6-7), and a display unit for displaying the trend graph prepared by the trend graph preparation unit (fig. 1a, unit 240), and for, based on the correlation, displaying on the trend graph a date and time whereat a predesignated alarm was generated (Col. 1-2, Lines 57-2, fig. 6, 7).

Regarding claim 17:

Hanson discloses an alarm management apparatus comprising: a data collection device for collecting alarm data for alarms generated by an apparatus to be managed (Col. 2, Lines 2-42); a database device for storing the alarm data collected by the data collection device (fig. 2, unit 140), 150); and an alarm statistic device for preparing alarm statistics using the alarm data stored by the database device (fig. 2, unit 245), the alarm statistic device including, a filtering unit for extracting, as statistical targets, only alarms that were generated by the apparatus when predetermined apparatus data (fig. 6, 7), included in apparatus data, had a predesignated value or was within a predealigned range, a statistics preparation unit for preparing statistics for the alarms extracted by the filtering unit (fig. 6, 7, Col. 9, Lines 39-54, Col. 10-11, Lines 49-30).

Regarding claim 2, Hanson discloses wherein the one or more weight coefficient types include a weight coefficient designated by a user as an inherent value for each alarm type (Col. 9-10, Lines 55-16, fig. 6, 7); Regarding claim 3, Hanson discloses one or more weight coefficient type' include a weight coefficient designated by a user for each time an alarm is generated (fig. 6, 7); Regarding claim 4, Hanson discloses one or more weight coefficient types include a weight

coefficient that is automatically determined based on a predetermined rule (fig. 6, 7); claim 5, Hanson discloses the automatically determined weight coefficient is determined in accordance with a period extending from the generation, in the apparatus, of a specific alarm to be managed until the specific alarm is canceled (fig. 6, unit 348, fig. 7, unit 351);

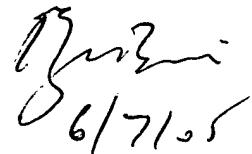
claim 12, Hanson discloses a weight coefficient setup unit for setting up, as one of the weight coefficients, a unique weight coefficient for each alarm type (Col. 2, Lines 5-43, fig. 7, unit 351); claim 13, Hanson discloses a weight coefficient setup unit for setting up, as one of the weight coefficients, a weight coefficient for each time an alarm is generated (Col. 2, Lines 5-43, fig. 7, unit 351); claim 14, Hanson discloses based on predetermined rule one of the weight coefficients (fig. 2, unit 140, 160, fig. 3, unit 320, 340, 160; 330, 345); claim 15, Hanson discloses a weight coefficient in accordance with period from extending of a specific alarm to cancel of alarm (fig. 2, unit 140, 160, fig. 3, unit 320, 340, 160, 330, 345, fig. 7, unit 351); claims 8, 9, 10, 18, 19 and 20, Hanson discloses an alarm ID to identify the alarm (fig. 6, unit 346, 347).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung S Lau whose telephone number is 571-272-2274. The examiner can normally be reached on M-F 9-5:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on 571-272-2269. The fax phone numbers for the organization where this application or proceeding is assigned is 703-872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TL

**BRYAN BUI  
PRIMARY EXAMINER**



6/7105